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PATENT

Attorney Docket No. A-71486-2 Dorsey File No. 463077-00240

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*In re* application of:

DESJARLAIS et al.

Serial No.:

10/611,363

Filing Date:

July 1, 2003

For:

Novel Variants of RANKL Protein

Examiner:

To Be Assigned

Art Unit:

1647

## **CERTIFICATE OF MAILING**

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## INFORMATION DISCLOSURE STATEMENT AND STATEMENT OF RELATEDNESS

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying Form PTO/SB/08A-B, Substitute for form PTO 1449. This application is a continuation-in-part of the following related U.S. Application - Serial No. 10/338,785, filed January 6, 2003 (pending). The references cited on the accompanying form PTO/SB/08A-B, Substitute for form PTO-1449, not marked with an asterisk (\*), were previously disclosed in the above-mentioned application and in accordance with 37 C.F.R. § 1.98(d), no copies of these references are enclosed.

Serial No.: 10/611,373 Filing Date: July 1, 2003

Further, in accordance with 1273 Off. Gaz. Pat. Off. 1, 8/5/2003, no copies of U.S. patents and U.S. published applications are enclosed. Copies of all other references are enclosed.

With respect to patent applications, the applicants point out their duty under M.P.E.P. §2001.06(b) to disclose relevant patent applications of which they are aware. To this end, the applicants draw the Examiner's attention to the following patent applications:

- 1. U.S.S.N. 10/888,748, filed July 9, 2004;
- 2. U.S.S.N. 10/611,399, filed July 1, 2003;
- 3. U.S.S.N. 10/336,242, filed January 3, 2003;
- 4. U.S.S.N. 10/794,751, filed March 5, 2004; and
- 5. U.S.S.N. 10/820,465, filed March 31, 2004.

None of the foregoing references is believed to disclose the invention as claimed.

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

As far as is known to the undersigned, this Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required.

While no further fee is believed to be due, if this belief is in error, the Commissioner is authorized to charge any additional fees, including extension fees or other relief which may be SF-1145592\_1 - 2 -

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July 1, 2003

required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 463077-00240 (A-71486-2/RMS/RMK)).

Please direct any calls in connection with this application to the undersigned at (415) 781-1989.

Respectfully submitted,

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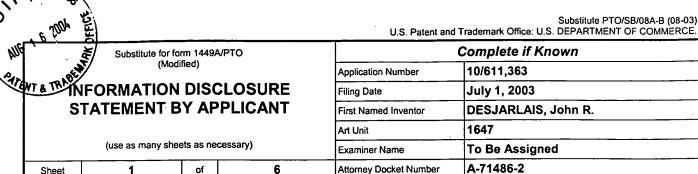
Robin M. Silva, Reg. No. 38,304

Customer Number: 32940

Attachments:

Form PTO/SB/8A-B, Substitute for form PTO 1449

5 references



	U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	U.S. Patent Document Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear			
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	A2	6,017,729	01-25-2000	Anderson et al.				
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Examiner Initials*	Cite No.	Foreign Patent Document Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	76			
	B1 *	EP 0 974 111 B1	01-26-2000	California Institute of Technology					
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	B4	WO 00/15807 A1	03-23-2000	M & E Biotech					
	B5 *	WO 00/23564 A2	04-27-2000	Xencor, Inc.					

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Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

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Complete if Known Substitute for form 1449A/PTO (Modified) 10/611,363 Application Number INFORMATION DISCLOSURE July 1, 2003 Filing Date STATEMENT BY APPLICANT DESJARLAIS, John R. First Named Inventor 1647 Art Unit (use as many sheets as necessary) Examiner Name To Be Assigned A-71486-2 6 Attorney Docket Number 2 Sheet of

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	B6 *	WO 01/59066 A2, A3	08-16-2001	Xencor, Inc.					
	B7 *	WO 03/014325 A2, A3	02-20-2003	Xencor					
	B8	WO 03/033663 A2	04-24-2003	Barnes-Jewish Hospital					
	В9	WO 03/033664 A2	04-24-2003	Barnes-Jewish Hospital					

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	C1	ADLER, S.H., and TURKA L.A., "Immunotherapy as a means to induce transplantation tolerance," Curr Opin Immunol, 2002 Oct, 14(5):660-5.	
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	Examiner	Date Considered	
1	Signature		

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	Substitute for fo	rm 1449/	VPTO	Complete if Known			
	(Modi	ified)		Application Number	10/611,363		
IN	<b>IFORMATION</b>	DISC	CLOSURE	Filing Date	July 1, 2003		
S <sup>·</sup>	STATEMENT BY APPLICANT			First Named Inventor	DESJARLAIS, John R.		
				Art Unit	1647		
	(use as many shee	ets as ne	cessary)	Examiner Name	To Be Assigned		
Sheet	3	of	6	Attorney Docket Number	A-71486-2		

		NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>				
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	C52	QUINN JM, et al., "The generation of highly enriched osteoclast-lineage cell populations," Bone, 2002 Jan, 30(1):164-70.	

Examiner Signature	Date Considered	

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S	TATEMENT E	BY AF	PPLICANT	First Named Inventor	DESJARLAIS, John R.			
				Art Unit	1647			
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Sheet	5	of	6	Attorney Docket Number	A-71486-2	-		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	۲۴
	C53	RODAN GA, and Martin TJ, "Therapeutic approaches to bone diseases," Science, 2000 Sep 1, 289(5484):1508-14.	
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	C55	SABOKBAR A, et al., "Two distinct cellular mechanisms of osteoclast formation and bone resorption in periprosthetic osteolysis," J Orthop Res., 2003 Jan, 21(1):73-80.	
	C56	SAIDENBERG KERMANAC'H N, et al., "Osteoprotegerin and inflammation," Eur Cytokine Netw., 2002 Apr-Jun, 13(2):144-53.	
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	C58	SCHOPPET M, et al., "RANK ligand and osteoprotegerin: paracrine regulators of bone metabolism and vascular function," Arterioscler Thromb Vasc Biol., 2002 Apr 1, 22(4):549-53.	
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				Application Number	10/611,363	
INFORMATION DISCLOSURE				Filing Date	July 1, 2003	
STATEMENT BY APPLICANT			PLICANT	First Named Inventor	DESJARLAIS, John R.	
				Art Unit	1647	
(use as many sheets as necessary)			cessary)	Examiner Name	To Be Assigned	
Sheet	6	of	6	Attorney Docket Number	A-71486-2	

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Examiner Initials*						
		WILLARD D, et al., "Expression, purification, and characterization of the human receptor activator of NF-kappaB ligand (RANKL) extracellular domain," Protein Expr Purif., 2000 Oct, 20(1):48-57.				
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